

## Configure Redis Cache on PantherWeb

1. To use Redis cache as an external cache in Panther Web 5.51, you will need to rebuild your jserver with the source code rdscache.c. Please read the comments in the source file carefully to compile and link the source with jserver.
2. In the ini file of your Panther Web application you will need to configure the environment variables as below under the [Environment] section.

Env variable	Values	Example
RedisHost	Name or IP address of the machine where Redis server is running	RedisHost=127.0.0.1
RedisPort	Port number on which Redis server is running	RedisPort=6379
RedisDatabase	0-15	RedisDatabase=5
RedisPassword	If set on the server	RedisPassword=pass123!!
RedisExpireTime	In seconds	RedisExpireTime=60
RedisLogLevel	0= for errors only 1= for errors and warnings only 2= for errors, warnings, and debug messages	RedisLogLevel=2
RedisCluster	Name or IP address of the machine followed by colon (:) and port numbers and separated by coma (,) <IP or Name >:<port number>,<IP or Name >:<port number>	RedisCluster=Redis-cluster1:7010, Redis-cluster1:7011, Redis-cluster2:7013

3. You must set Panther env variables as below  
ExternalCache=1  
EnableWebid=1
4. Start your Panther Web application.
5. Make sure Redis server (or cluster) is running.
6. Test caching by saving global or sending bundles.
7. You can check the keys stored on the server using Redis-cli utility to make sure data is being cached.  
./Redis-cli -h <IP or Name of the machine> -p <port number> (on Linux machine)

### Common mistakes

1. Do not forget to add a call to web\_redis\_init() in jweb.c (somewhere before the call to sm\_web\_cache\_startup).
2. In the ini file, for "RedisHost" environment variable, do not set "localhost" or the IP address of local machine. Hiredis-vip doesn't resolve IP address and 'localhost' as 127.0.0.1. Use 127.0.0.1 for RedisHost as below

RedisHost=127.0.0.1

3. With "localhost" as "RedisHost" you will see the error:

ERROR: web\_redis\_startup - Temporary failure in name resolution